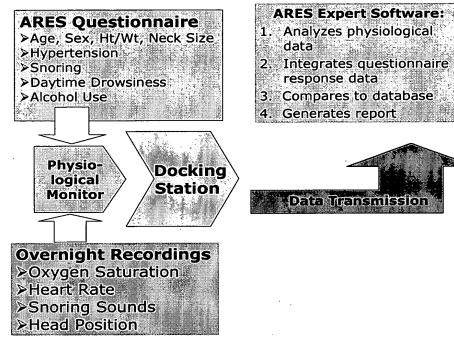
Applicant: ARES MEDICAL, INC. et al.
ets of Drawings with 16 Figs.
Date: 28 December 2001
est Priority Date: 29 December 2000 **DOCKET NO. 38461-6098** Sheet 1 of 9 SLEEP APNEA RISK EVALUATION

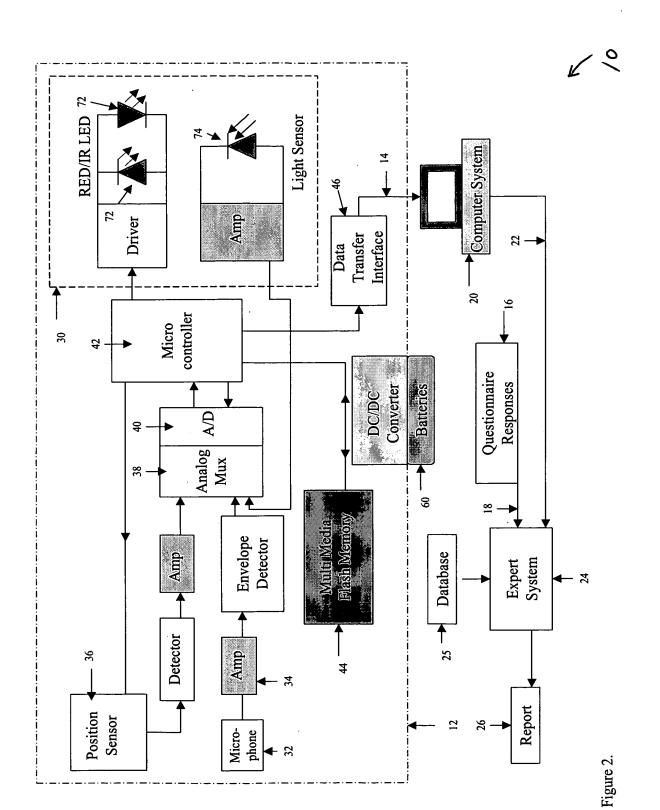




Data Transmission

Figure 1.

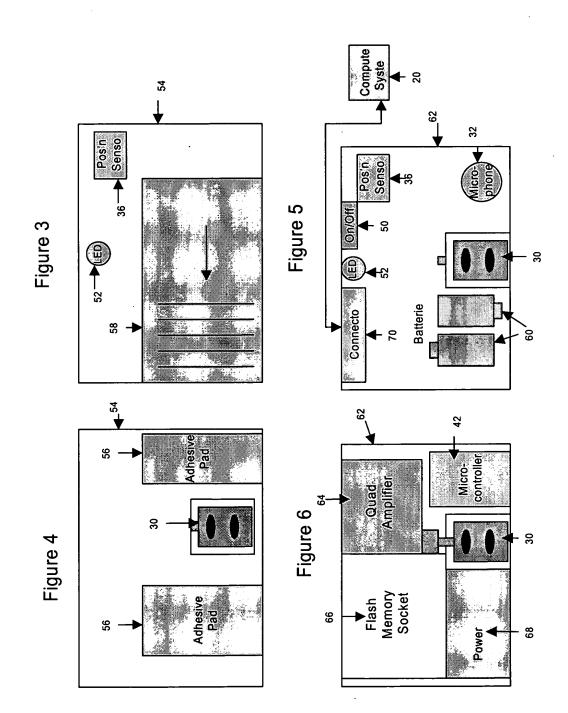
Applicant: ARES MEDICAL, INC. et al. Sheets of Drawings with 16 Figs. ing Date: 28 December 2001 arliest Priority Date: 29 December 2000 DOCKET NO. 38461-6098 Sheet 2 of 9 SLEEP APNEA RISK EVALUATION



7

Applicant: ARES MEDICAL, INC. et al.
9 Sheets of Drawings with 16 Figs.
illing Date: 28 December 2001
arliest Priority Date: 29 December 2000
DOCKET NO. 38461-6098
Sheet 3 of 9
SLEEP APNEA RISK EVALUATION





 \mathcal{C}

1000

Applicant: ARES MEDICAL, INC. et al. 9 Sheets of Drawings with 16 Figs. lling Date: 28 December 2001 Carliest Priority Date: 29 December 2000 DOCKET NO. 38461-6098

Sheet 4 of 9 SLEEP APNEA RISK EVALUATION



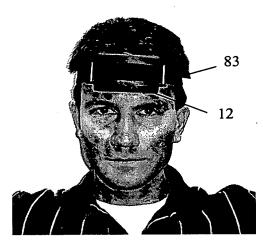


Figure 7.

5

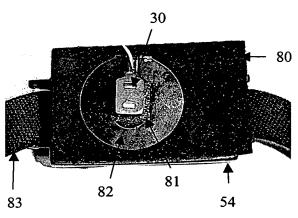


Figure 8.

10



Applicant: ARES MEDICAL, INC. et al. 9 Sheets of Drawings with 16 Figs. Filing Date: 28 December 2001 Earliest Priority Date: 29 December 2000 DOCKET NO. 38461-6098 Sheet 5 of 9 SLEEP APNEA RISK EVALUATION

•

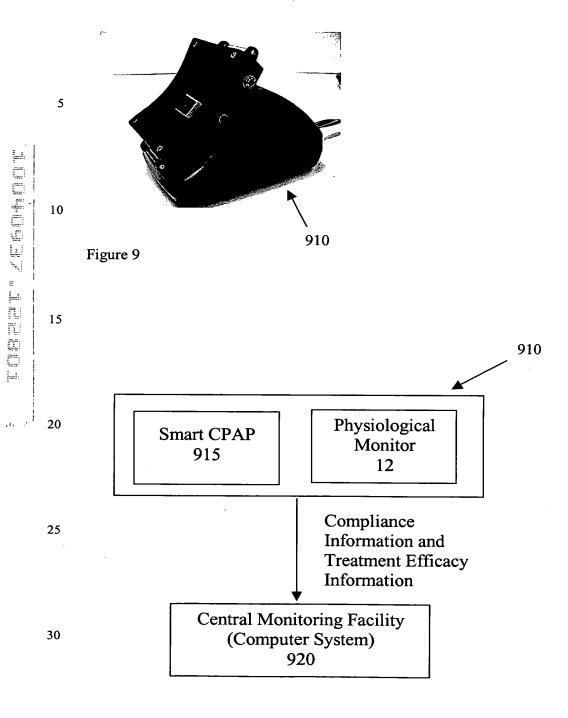


Figure 10

Applicant: ARES MEDICAL, INC. et al.
Sheets of Drawings with 16 Figs.
Ing Date: 28 December 2001
Arliest Priority Date: 29 December 2000
DOCKET NO. 38461-6098
Sheet 6 of 9
SLEEP APNEA RISK EVALUATION



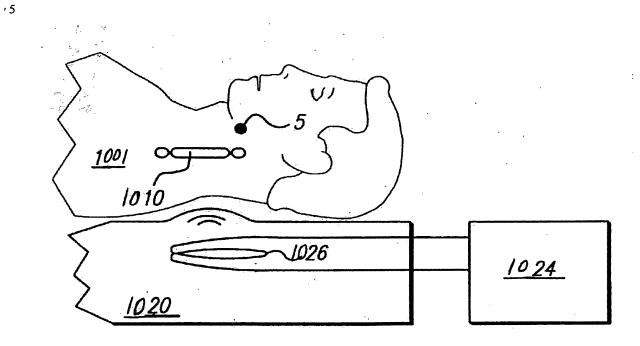


Figure 11

Applicant: ARES MEDICAL, INC. et al.
Sheets of Drawings with 16 Figs.
ing Date: 28 December 2001
Larliest Priority Date: 29 December 2000
DOCKET NO. 38461-6098
Sheet 7 of 9
SLEEP APNEA RISK EVALUATION



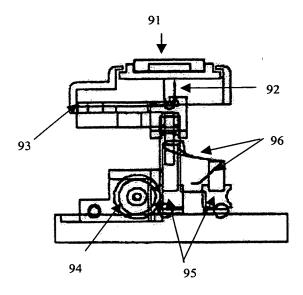


Figure 12. Illustration of SpO2 active pressure device.

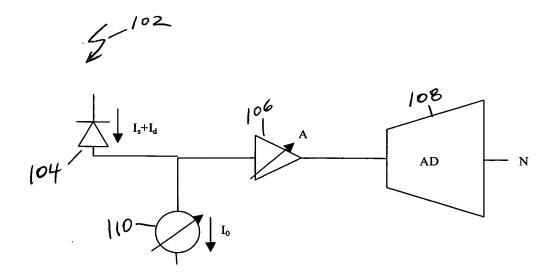


Figure 13. Diagram of SpO2 Measuring Circuit

Applicant: ARES MEDICAL, INC. et al. 9 Sheets of Drawings with 16 Figs. Filing Date: 28 December 2001 Earliest Priority Date: 29 December 2000

DOCKET NO. 38461-6098

Sheet 8 of 9

SLEEP APNEA RISK EVALUATION



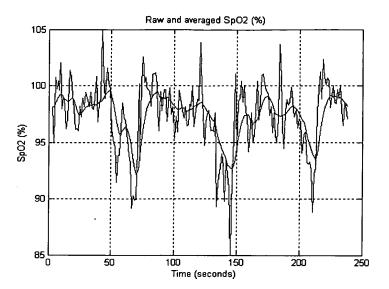


Figure 14. Illustration of the raw SpO2 signal and after application of the three level smoothing algorithm.

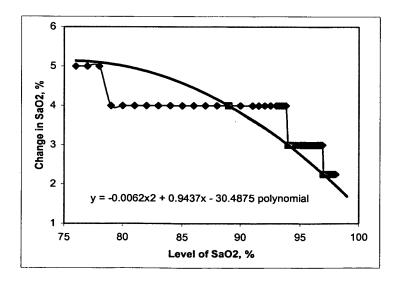


Figure 15: Curve of the regression line for calculating required magnitude of desaturation based on the stepped approach.

Applicant: ARES MEDICAL, INC. et al.

Sheets of Drawings with 16 Figs.

Illing Date: 28 December 2001

ariliest Priority Date: 29 December 2000

DOCKET NO. 38461-6098

Sheet 9 of 9

SLEEP APNEA RISK EVALUATION





Figure 16. Physiological monitor in alternative embodiment with airflow sensor.